

c. Amendments to Claims

1-9. (cancelled)

5 10. (Original) A apparatus, comprising:
a solid that comprises an crosslinked collection of amphiphilic
organosilicate precursors; and

wherein the amphiphilic organosilicate precursors form a matrix with an
array of micro-structures dispersed in the matrix.

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11. (Original) The apparatus of claim 11, wherein the micro-structures are
voids or pores in the matrix.

12. (Original) The apparatus of claim 11, wherein the voids or pores are
15 hydrophilic and portions of the matrix not adjacent to the voids or pores are
hydrophobic.

13. (Original) The apparatus of claim 11, wherein the solid is non-wettable
by water.

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14. (Original) The apparatus of claim 11, further comprising:
a planar optical waveguide comprising an optical core layer and the solid;
and
wherein the solid forms an optical cladding layer for the optical core layer.

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15 – 20. (cancelled)